



HONOLULU FIRE DEPARTMENT

Kenneth G. Silva, Fire Chief
Rolland J. Harvest, Deputy Fire Chief

POWERS, DUTIES, AND FUNCTIONS

The City Charter of the City and County of Honolulu designates the Honolulu Fire Department (HFD) as the fire protection agency for the City. The HFD's responsibilities are to provide fire fighting, rescue, emergency medical, and hazardous materials (HM) response for the entire island of Oahu, which is an area of 604 square miles. These duties are performed in a wide variety of terrain that include steep mountain ranges, wildlands, and agricultural fields; structures which comprise a modern metropolitan city, including industrial complexes, business centers, government complexes, high-rise resorts, condominiums, and high-density urban residential dwellings; and the ocean surrounding the island.

The Fire Chief and the Deputy Fire Chief manage the operation and administration of the HFD and are responsible for carrying out the following functions mandated by the City Charter:

- Fire fighting and rescue work in order to save lives and property from fires and emergencies emanating from hazardous terrain, ocean rescues, and HM
- Training, equipping, maintaining, and supervising fire fighters (FF) and rescue personnel
- Monitoring construction and occupancy standards of buildings for the purpose of fire prevention
- Providing educational programs related to fire prevention
- Performing other duties as may be required by law

ORGANIZATION

The HFD consists of 1,126 uniformed personnel and 65 civilians totaling 1,191 employees. Personnel are organized into four divisions: Fire Operations, Administrative Services Bureau (ASB), Support Services, and Planning and Development (P&D). Each division is managed by an Assistant Chief (AC) who is responsible for the daily management of the division and provides executive support to the Fire Chief and Deputy Fire Chief.

The Department maintains a modern and technologically advanced force of fire fighting and rescue personnel and equipment through its various activities administered by qualified, professional leadership. The Department continues to develop and conduct various programs, such as reliable and efficient communication systems; fire apparatus maintenance and repair; training and research; and a coordinated city radio system. The Fire Prevention Program, which includes inspections, investigations and enforcement of fire regulations, and a fire safety education program, continues to expand and grow with the latest trends and national standards of the fire service.

HONOLULU FIRE COMMISSION

The five fire commissioners are: Elizabeth Ho, Quentin Kawanakoa, Nathaniel Kinney, Sylvia Waiwaiole-Hopfe, and James Wataru.

The commissioners, assisted by a part-time secretary and an attorney from the Department of the Corporation Counsel, meet monthly with the Fire Chief, the Deputy Fire Chief, and/or members of the fire chief's executive staff. The Commission's accomplishments and highlights are as follows:

- Reviewed the HFD's budget for fiscal year (FY) 2012
- Attended various Departmental ceremonies
- In July 2009, Ms. Ho was reelected Fire Commission Chair. She designated Ms. Waiwaiole-Hopfe to be Vice Chair.

OFFICE OF THE FIRE CHIEF

Executive leadership, management, and strategic planning are the responsibilities of the Fire Chief and Deputy Fire Chief. The Office of the Fire Chief is supported by two private secretaries.

DEPARTMENT HIGHLIGHTS

- On July 7, 2010, the HFD held a promotion ceremony to honor its newly promoted fire captains.
- On July 19, 2010, the HFD held a groundbreaking ceremony for the East Kapolei Regional Fire Station.
- On September 11, 2010, the HFD participated in the Mayor's Fifth Annual Remembrance Walk.
- On September 22, 2010, the HFD held a promotion ceremony to honor its newly promoted FF IIIs.
- On September 27, 2010, Chief Silva and members of the HFD attended the Mayor's Fire Prevention Week (FPW) Proclamation Signing Ceremony. Winners of the FPW Poster Contest were also recognized at the ceremony.
- On September 29, 2010, Chief Silva and members of the fire fighting community attended the Governor's FPW Proclamation Signing Ceremony.

- On October 1, 2010, the HFD cohosted the 2nd Annual Signature Chefs Food Festival.
- On October 18, 2010, the U.S. Coast Guard (USCG) presented awards to the HFD and FF II Alika Winter to recognize the HFD's actions during a search and rescue response to a USCG helicopter crash on September 4, 2008.
- On October 22, 2010, The 200 Club held an awards luncheon to recognize the HFD's Manager of the Year, Uniformed Employee of the Year, and Civilian Employee of the Year. Personnel with 25 and 35 years of service were also recognized.
- On November 24, 2010, the HFD held a promotion ceremony to honor its newly promoted Captains and FF III's.
- On November 26, 2010, the HFD held a commendation ceremony to recognize civilians and off-duty FFs who went above and beyond the call to help those in need.
- The new fireworks law took effect on January 2, 2011, and significantly reduced the number of fireworks-related incidents on Independence Day.
- On February 9, 2011, the HFD held a promotion ceremony to honor its newly promoted Captains.
- On March 4, 2011, the HFD held a luncheon to honor its 2010 retirees.
- On April 1, 2011, the HFD held a graduation ceremony for its 96th Fire Fighter Recruit (FFR) class.
- On April 6, 2011, the HFD held a promotion ceremony to honor its newly promoted AC, captains, and storekeeper.
- On May 7, 2011, the HFD hosted cardiopulmonary resuscitation (CPR) training for the Mayor's cabinet members.
- On May 11, 2011, the HFD held a commendation ceremony to recognize civilians and off-duty FFs who went above and beyond the call to help those in need.
- Between June 3 and July 10, 2011, the HFD and the Honolulu Police Department (HPD) conducted a Honolulu Fireworks Amnesty Program, which allowed the public to dispose of unwanted/illegal fireworks without the fear of legal ramifications.
- In June 2011, Emergency Services Consulting International, Inc. submitted their final report on the proposed HFD and Honolulu Emergency Services Department (HESD) merger.

ASB

The ASB provides administrative, personnel, logistic, and maintenance support to the fire suppression force. An AC is assisted by a staff consisting of two battalion chiefs (BC), two captains, an administrative services officer, and a pool of support staff. The ASB oversees the HFD's operating budget, property and inventory, personnel administration, and the administration of safety and health-related programs, such as the Drug and Alcohol and Infectious Disease programs.

The HFD's Capital Improvement Program (CIP) and Community Development Block Grant funds are also under the purview of this bureau. CIP expenditures for FY 11 are as follows:

Acquisitions	Cost
One Aerial Apparatus	\$954,000
Two Portable Column Lifts.....	19,584
One Hybrid Sport Utility Vehicle (SUV)	43,974
Two 15-Passenger Vans	59,225
One Stake Truck	51,793
Five Engine Apparatuses.....	Pending contract award
Fire Stations	Cost
East Kapolei Regional Fire Station (New)	\$11,535,000
Construction awarded to Okada Trucking Co. Ltd.	
Architect: Urban Works, Inc.	
Includes planning, design, construction, and construction management	
Estimated Completion: December 2012	
Ewa Beach Fire Station (Relocation to Ocean Pointe)	\$7,796,000
Construction awarded to 57 Builders, Inc.	
Architect: Kodama, Okimoto Architects, Inc.	
Includes planning, design, construction, and construction management	
Estimated Completion: March 2012	
Driveway and Parking Reconstruction	\$440,137
Nanakuli, Waiau, and Waipahu fire stations	
Replace asphalt driveways with high-strength concrete	
Estimated Completion: July 2011	
Fire Communication Center (FCC)	\$72,365
Floor plan reconfiguration to facilitate new workstations for better ergonomics and personnel flow	
Estimated Completion: August 2011	

MECHANIC SHOP

The Mechanic Shop staff consists of one fire equipment superintendent, one fire equipment repair supervisor, three lead mechanics, nine fire equipment mechanics, one mechanical repairer, one automotive repair assistant specialist, one fireboat repair and maintenance supervisor, one parts specialist, and one clerk. A fire equipment mechanic is on 24-hour standby duty to support trouble calls after normal working hours.

The Mechanic Shop repairs and maintains the HFD's fleet of 43 engines, 7 aerial ladders, 6 quints, 2 aerial towers, 2 rescue units, 2 hazmat units, 6 tankers, 2 brush trucks, 1 command truck, 20 relief apparatuses, 42 mobile equipment trailers, and approximately 78 auxiliary vehicles. Included for water rescues are a 110-foot fire boat, 3 rescue boats, and 12 jet skis/watercrafts. Other responsibilities include maintenance and repair of approximately 30,000 pieces of small equipment, fire fighting equipment, lawn tools, office furniture, and rescue power tools.

This section also repairs and maintains the HPD's heavy equipment vehicles above 10,000 pounds gross vehicle weight. This group consists of two special weapons vehicles, two bomb trucks, a tactical truck, a tractor-trailer equipment truck, three equipment trailers, and two emergency management command trucks.

HIGHLIGHTS

- Designed and fabricated tools and equipment to improve overall safety and efficiency for the repair, maintenance, and operation of fire fighting apparatuses
- Performed annual pump, aerial ladder, and ground ladder testing and State of Hawaii (State), Department of Transportation (DOT) safety inspections for fire fighting apparatuses
- Provided on-site fueling and repair service for fire fighting equipment at various incidents, including the tsunami on March 11, 2011, and the Waialeale fireworks explosion on April 29, 2011
- Processed approximately 4,098 requests for repairs, maintenance, modifications, safety inspections, and testing on fire fighting equipment
- Performed annual National Fire Protection Association (NFPA) aerial testing via a third-party vendor on 18 aerial apparatuses
- Rebuilt four diesel engines and three fire pumps for seven front-line fire fighting apparatuses
- Replaced two water tanks with a state-of-the-art polypropylene water tank for a front-line fire fighting apparatus
- Completed 32 major servicings on front-line apparatuses and auxiliary vehicles
- Placed in service 30 new pieces of equipment, including nine SUVs, two four-wheel drive pickup trucks, three Compressed Air Foam System (CAFS) pumps, two tractor drawn aeriels, five CAFS tankers, three quint aeriels, one tractor, one decontamination trailer, two jet skis, and five mobile generators
- Placed in service four 22,000-pound portable column truck lifts. The lifts will improve overall safety and efficiency for the repair, maintenance, and service of fire fighting apparatuses



This is a new portable four-column lift.



HFD personnel perform part three of an annual aerial test.

OCCUPATIONAL SAFETY AND HEALTH OFFICE (OSHO)

The OSHO is responsible for the Department's safety and health programs. It is committed to providing personnel with safe working environments by providing the highest standards of safety through education, minimizing hazards through engineering, and enforcing the Hawaii Occupational Safety and Health Division and the Occupational Safety and Health Administration laws and standards, in addition to HFD policies and procedures.

Two sections under the OSHO, the Self-Contained Breathing Apparatus (SCBA) Shop and Storeroom (SR), provide logistical support for HFD field personnel.

HIGHLIGHTS

- The OSHO continues to review the various aspects of the HFD's safety program, including its Incident Safety Officer Response program and return-to-work policy; promoting inherent safety, wellness, and fitness to HFD members; and maintaining personal protective equipment (PPE).
- The following key programs, which were recommended by NFPA 1851, Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, were initiated:
 - Retiring structural fire fighting coats and trousers no more than 10 years from the date the garments were manufactured
 - Having an independent service provider conduct periodic advanced inspections on structural fire fighting coats and trousers
- A review of Department-issued PPE is ongoing. New fire-resistive duty uniforms made of NOMEX® fibers and improved structural fire fighting boots will be issued to uniformed personnel next FY.
- The OSHO participated in 2011 Asia-Pacific Economic Cooperation (APEC) Honolulu Forum preparations and training, including an All-Hazards Incident Management Team (AHIMT) Safety Officer course; various AHIMT training exercises; preparing incident action plans for possible large-scale emergency incidents; and overseeing the SCBA Shop and SR.
- As part of National Pollutant Discharge Elimination System (NPDES) Water Pollution Control efforts, HFD policies and procedures are continually reviewed and updated. The Storm Water Pollution Control Plan and Spill Prevention Control and Countermeasure Plan mandates continue to be priorities. Annual inspections have been completed.
 - As part of the HFD's NPDES responsibilities, underground and aboveground storage tank inspections and maintenance are also high-priority issues. The HFD continues to be a positive example for the City due to participation of its personnel.
 - Oil water separator devices at identified HFD facilities are used in conjunction with storm water practices. Fuel oils run through the devices before wastewater is allowed to discharge from the facility. Cleaning and monitoring these devices are also high-priority issues.

SCBA SHOP

The SCBA Shop meets the increasing demands of respiratory protection for our field personnel. It is responsible for data collection, upgrades, research, education, calibration, fit/flow testing, repair, air fill, and inspection. It is also responsible for Self-Contained Underwater Breathing Apparatus (SCUBA) cylinder inspections, maintenance, and repairs.

HIGHLIGHTS

- As of mid-June 2011, 729 half-face respirators, full-face N95 respirators, and SCBA respirators were fit and flow tested.
- A total of 270 SCBA and 30 SCUBA cylinders were submitted for hydrostatic testing, reinspected, and refitted for service. Inspection of 69 SCUBA cylinders under the Visual Inspection Program were serviced and returned.
- A total of 6,826 SCBA and 811 SCUBA cylinders were refilled during FY 11. This amounts to an average of 569 SCBA and 68 SCUBA cylinders being refilled each month.
- A total of 302 SCBA harnesses were flow tested. A total of 122 Rapid Intervention Team harnesses and bags were flow tested in the first and second quarters.

SR

The SR plays a vital support role to provide logistical support needs that enable the Department to properly and safely perform its mission. Key to this mission is maintaining predetermined inventory levels of everyday supplies required for the maintenance of HFD facilities, apparatuses, and equipment. The SR also orders and issues office, medical, rehabilitation, and salvage supplies, personal protective clothing, and safety equipment. The SR is the clearinghouse and storage facility for HFD equipment, supplies, materials, furnishings, personal protection wear, and other forms inventory.

HIGHLIGHTS

- SR personnel and the OSHO Captain processed PPE turnouts for inspection, cleaning, and repairs. This process allows the Department to comply with NFPA 1851 standards.
- SR personnel processed 1,640 equipment transactions, including first-line fire equipment and station maintenance equipment, exchanged 1,166 pieces of safety equipment, and replaced 161 fire fighting boots.
- SR and Mechanic Shop personnel processed 375 equipment repairs, including small engine equipment and fire fighting hoses.

FIRE FISCAL

The HFD's FY 11 financial report is presented below.

The total operating expenditures for the Department's FY 11 Fire Protection Program amounted to \$91,781,154, as compared to \$89,554,495 of the preceding year. This 2.5 percent increase of \$2,226,659 is attributed to the following:

	<u>FY 11</u>	<u>FY 10</u>	<u>Variance</u>	<u>Percent</u>
Salaries	\$82,434,034	\$81,303,569	\$1,130,465	1.4%
Current Expenses.....	8,792,753	7,970,274	822,479	10.3%
Equipment.....	554,367	280,652	273,715	97.5%
Total.....	\$91,781,154	\$89,554,495	\$2,226,659	2.5%

The composition of expenditures is as follows:

	<u>FY 11</u>	<u>Percent</u>
Salaries	\$82,434,034	89.8%
Current Expenses.....	8,792,753	9.6%
Equipment.....	554,367	0.6%
Total.....	\$91,781,154	100%

Per Ordinance 10-11, the appropriations for FY 11 amount to \$101,551,055 in the general fund. The HFD's federal matching funds request increased the appropriation by \$200,601 to \$101,751,656.

SALARIES AND WAGES

The HFD had 1,126 funded positions. There were approximately 136 vacant positions on June 30, 2011.

	<u>FY 11</u>	<u>FY 10</u>	<u>Variance</u>
Salaries	\$82,434,034	\$81,303,569	\$1,130,465

FIREBOAT

The fireboat is owned by the DOT and is funded by Act 171, SLH 1963 (Hawaii Revised Statutes [HRS] 85 T15, Section 266-22).

	<u>FY 11</u>	<u>FY 10</u>	<u>Variance</u>
Salaries	\$1,230,179	\$1,429,243	(\$199,064)
Fringe Benefits.....	377,489	418,627	(41,138)
Indirect Costs.....	209,131	242,971	(33,840)
Current Expenses.....	95,979	122,739	(26,760)
Equipment.....	0	0	0
Total.....	\$1,912,778	\$2,213,580	(\$300,802)

REVENUES AND OTHER COLLECTIONS

Total revenues and other collections amounted to \$3,008,867. Significant receipts included a \$2,484,580 reimbursement for fireboat operations and \$372,640 from fire code permits and licenses.

FIRE OPERATIONS

Fire Operations is comprised of an AC, three BCs, three Captains, a secretary, and a clerk. In addition, a general staff of 15 BCs assist the AC with the daily management of fire companies and emergency operations.

Fire Operations companies are staffed according to a three-platoon system. A platoon is a complement of FFs working on any given day. Each platoon includes 42 engine, 13 ladder or quint, two tower, two rescue, and two HM companies; a fireboat; five tankers; a fuel tender; and two helicopters. Each platoon is divided into five battalions, and each battalion is headed by a BC.

Emergency responses include fires, medical emergencies, mountain and ocean rescues, HM, and homeland security incidents. In addition, Fire Operations conducts commercial occupancy inspections; prepares industrial and commercial fire preplans; participates in community relations activities; attends training classes, drills, and exercises; keeps abreast of trends in fire fighting techniques, emergency medical services (EMS), fire prevention, public education, and the municipal water supply; and performs daily maintenance on HFD apparatuses, facilities, and grounds.

Fire Operations constantly prioritizes FF safety and strives to be at the forefront of technology. Three new CAFS engines and five new CAFS tankers have been added to our fleet for a total of 18 CAFS-capable apparatuses. This system improves FF safety by reducing extinguishment times and exposure to adverse fire conditions. Other features include an improvement in water absorption and heat reduction, lesser overhaul time, and minimized water damage. The Class A foam used by CAFS engines is an effective fire retardant.

The HFD's Aircraft Section responded to 566 emergencies, compared to 573 last year. The HFD's aircraft continued to demonstrate its effectiveness in search and rescue and wildland fire fighting operations.



Special Operations Trailer.

HIGHLIGHTS

- On September 8-9, 2010, the HFD participated in the Tropic Lightning Interagency Exercise at the Marine Corps Base Hawaii.
- In January 2011, a Small Equipment Committee was formed and tasked to optimize the purchase, evaluation, usage, and maintenance of small equipment.
- On January 10-14, 2011, the HFD conducted a Logistics Section Chief course.
- On January 17-28, 2011, the HFD delivered Company Officer training for newly promoted captains.
- On January 18, 2011, the HFD implemented the Company Staffing Pilot Program.
- In February 2011, new mobile data terminals (MDT) were received and installed.
- On February 7-11, 2011, the HFD held an Incident Commander/Liaison Officer course.
- In March 2011, the HFD received a mass decontamination trailer.
- On March 11, 2011, a 9.0-magnitude earthquake generated a Pacific-wide tsunami. The City's Emergency Operating Center was activated, and evacuations were ordered.
- On March 21 - April 1, 2011, the HFD delivered company officer training for newly-promoted FF IIIs.
- On March 29, 2011, the HFD responded to a marine helicopter crash in Kaneohe Bay.
- On April 5-8, 2011, the HFD conducted a safety officer class.
- On April 24, 2011, the HFD participated in the annual Kaimalu O Hawaii Interagency Maritime Exercise.
- On April 29, 2011, the HFD responded to a fireworks explosion at the Waikele Self Storage facility that resulted in five fatalities.
- On May 2-6, 2011, the HFD held a Public Information Officer (PIO) course.
- On May 30 - June 10, 2011, the HFD delivered a FF III orientation.
- In June 2011, a Bomb Urban Search and Rescue Awareness training group was developed.
- On June 9, 2011, the HFD attended a Chemical Casualties Tabletop Exercise (TTX) planning meeting with the State Department of Health (DOH).
- On June 11, 2011, the HFD participated in a Department of Homeland Security (DHS) Exercise and Evaluation Program Exercise Design TTX.
- APEC preparations are ongoing and include forming Special Devices Cut, Medic, All-Hazards Incident Management, and supplemental apparatus teams and updating preplans for critical infrastructure and potential venues.
- A CAFS Standard Operating Guidelines (SOG) Committee was established to finalize a CAFS SOG.
- Travel for training purposes was curtailed, with the exception of grant-funded programs.
- The HFD received a chemical, biological, radiological, nuclear, and explosive (CBRNE) trailer.

- The HFD remains involved with the Safety and Security Oversight and Review Committee for the rail transit project. A Fire-Life Safety subgroup has been formed.

P&D

Under the direction of an AC, P&D:

- Supervises a grant manager, a management analyst, the FCC, and the Radio Shop.
- Ensures conformance with short- and long-term goals and objectives according to the Department's Master Strategic Plan.
- Performs as the Department's Accreditation Manager by preparing and submitting Annual Compliance Reports to the Commission on Fire Accreditation International.
- Develops and maintains critical department deployment models, which includes the Standards of Cover document and other risk identification and mitigation strategies. Based upon executive decisions, established benchmarks, and performance measures ensure goals and objectives are being achieved.
- Reviews, researches, and monitors emerging legislations, regulations, trends, events, and past department performance to establish goals and objectives necessary to realize the Department's mission.
- Participates as a member of the Statewide Communication Interoperability Planning (SCIP) Committee by planning and developing statewide and Oahu Regional Tactical Interoperable Communication plans.

In conjunction with the annual Makani Pahili Exercise, the Department participated in exercises to evaluate communication capabilities utilizing the State's Transportable Repeater Interoperable Communication (TRIC) packages. This provided opportunities for the Department's communications team members to deploy, set up, and operate TRIC packages from the State Strategic Technology Reserve while communicating with other city, state, and federal partners from various Oahu locations.

- Attends quarterly Public Safety Oversight Committee (PSOC) communication meetings and exercises, where interoperable communication challenges and solutions are discussed to improve communications between city, state, and federal agencies.
- Manages memorandums of agreement and memorandums of understanding files.
- Manages the Department's recommendation program (Subject, Objective, Problem, Proposal, Advantages, Disadvantages, and Actions).
- Manages the Department's Web portal and Internet sites.

The AC is the Department liaison for interagency coordination with the City administration, the Department of Emergency Management (DEM), and the State Civil Defense (SCD) on various Oahu and statewide issues.

Information is critical for effective department management. P&D monitors and evaluates the functions performed by the records management system (RMS) and recommends improvements to enhance the Department's data collection and reporting processes.

A management analyst conducts statistical analyses and advises the executive staff of the Department's performance against national standards or best practices information.

Grant management and funding allows the Department to improve community services by providing new and/or additional equipment, training, and resources. P&D coordinates the grant management process, which includes applications, budgets, procurements, and reports.

The Department received city funding support for 2011 APEC Honolulu Forum preparations. The Department's APEC BC is tasked with equipment procurement and expenditures and documenting training expenses related to personnel's salaries.



Top photo: Weapons of mass destruction (WMD) training in preparation for the 2011 APEC Honolulu Forum.

Bottom photo: Urban Search and Rescue (USAR) training in preparation for the 2011 APEC Honolulu Forum.

Research and development of new programs and evaluations of existing programs and services to improve department efficiency and effectiveness are also performed. These programs included interoperable voice and data communications, RMS upgrades, a geographical information system, and the Honolulu Online System for Emergency Services (HOSSES).

The AC also chairs and oversees the Department's Board of Inquiry and investigates accidents, complaints, and other confidential matters.

GRANT MANAGEMENT

DHS via the Assistance to Firefighters Grant (AFG)

- The Department was awarded a 2010 AFG grant in the amount of \$326,400 for 1,058 pairs of leather turnout boots. The contract is being finalized by the Department of Budget and Fiscal Services' Purchasing Division.
- The Department was awarded 2009 AFG funds for 73 Toughbooks to replace aging computers in department response vehicles. These computers are used as MDTs and provide dispatch, directional routing, prefire plans, and apparatus location information.
- Excess grant funding in the amount of \$83,096 was used to expand Fire Prevention Bureau (FPB) programs by purchasing 2,532 photoelectric smoke alarms, desktop computers, light-emitting diode monitors, software, and long-life lithium batteries. In addition, six laptop computers were purchased to deliver public and private partner presentations.

DHS and Urban Area Security Initiative (UASI) Grants

Recently, the City's share (\$4,700,000) of the 2011 UASI grant program was eliminated, as the federal government enacted steps to reduce the federal deficit. As such, department grant programs will be reprioritized through other grants or eliminated.

The Department was awarded the following grants:

- A 2010 UASI grant in the amount of \$500,000 for FCC upgrades, including equipment, electronics, and workstation replacements
- A 2010 UASI grant in the amount of \$300,000 for CBRNE training and equipment
- A 2009 UASI grant in the amount of \$350,000 for AHIMT and Incident Command System (ICS) position-specific training. ICS position-specific training for Incident Commander/Liaison; Resource/Planning Chiefs; Operation Section Chief; Logistics/Supply Chiefs; Safety Officer; and PIO certifications were completed.
- A 2009 UASI grant in the amount of \$400,000 for seven mobile generators, including two 170-kilowatt (kW) units to provide infrastructure support at the Department's Waipahu Maintenance Facility and five 20-kW units for each battalion to support operations
- A 2009 UASI grant in the amount of \$375,000 for Phase 3 of an inter- and intradepartmental video teleconferencing system. The funding purchased 25 videophones, 5 desktops units, and 11 stand-alone teleconferencing units with flat screen monitors and will support the Training and Research Bureau (TRB) with classroom media delivery implementation.
- A 2009 UASI grant in the amount of \$240,000 for the HOSSES project that involved web-based map enhancements, inspections, enhanced and HM integration, data updates, management reports, enhanced editing applications, out-of-service hydrants, and mitigation and additional technical supports

The next phase includes upgrades to enhance situational awareness, enable common operating picture and mobile device capability, and increase ease of use and functionality. This project is ongoing.

- A 2009 UASI grant in the amount of \$75,000 for the HOSSES interface project, which includes map enhancements for the Maximo Enterprise Asset Management System (EAMS), EAMS Middleware, and HOSSES/EAMS user interface. This project is ongoing.

Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) Grant

- The Department was awarded a 2009 DOFAW grant in the amount of \$194,729 to purchase two trucks outfitted with CAFS units and 112 lengths of fire fighting hose. The funds were also used to send personnel to a CAFS Academy in Glendale, Arizona; the 53rd Annual California/Nevada/Hawaii (CNH) Forest Fire Council Meeting in Lake Tahoe, Nevada; and the 2010 CNH Forest Fire Conference in Lihue, Kauai.

DOT, Highway Safety Grant Program (HSGP)

- The Department applied for a 2011 DOT grant to purchase 20 cordless reciprocating saws. The State recommended the project for funding from the National Highway Traffic Safety Administration.
- The Department received a 2010 HSGP grant in the amount of \$11,911 to purchase 65 pediatric immobilization backboards.

HIGHLIGHTS

Emergency Response and Significant Incident Statistic

	FY 11	FY 10	FY 09
Fire-Related*	18,436	16,254	16,149
(Fires, rescues, HM, good intent calls, service calls, false calls, and others)			
Emergency Medical*	27,953	24,808	24,933
Dollar Loss*	\$15,777,683	\$13,613,535	\$17,185,259
Fatalities**			
Fire Personnel	0	0	0
Civilians	7	3	3
Injuries**			
Fire Personnel	24	15	13
Civilians	25	11	22

* Based on the National Fire Incident Reporting System and the HFD Fire Investigations database

** Based on the HFD Fire Investigations database

SIGNIFICANT EVENTS

The HFD responded to 42 building fires that resulted in a fire loss of \$100,000 or more. The following are significant fires with over \$500,000 in fire loss:

86-464 Halona Street, Waianae	October 1, 2010	\$ 500,000
94-233 Leonui Street, Waipahu	October 21, 2010	\$ 600,000
99-518 Ulune Street, Aiea	October 22, 2010	\$ 500,000
91-236 Oihana Street, Kapolei	January 6, 2011	\$1,500,000
2034 Iholena Street, Honolulu	February 24, 2011	\$ 540,000
53-416H Kamehameha Highway, Hauula	March 23, 2011	\$ 600,000

Department personnel responded to 399 wildland fires. During FY 10, the Department responded to 525 wildland fires. The difference represents a 24 percent decrease in wildland fires.

FCC

The FCC continues to be the vital link between the public and the Fire Operations force. Through a modern system of communication equipment, including the computer-aided dispatch system (CADS), MDTs, 800 megahertz (MHz) radio system, and the Geocomm mapping system, the FCC receives fire, rescue, and emergency medical calls and efficiently and rapidly dispatches companies to locations on Oahu.

Interoperable communications continue to increase as agencies became more familiar with its capabilities. The Department is actively involved in the SCIP and the City's PSOC. Interoperability is proving to be invaluable during multiagency responses to emergency incidents. The 800 MHz technology provides the FCC various options for facilitating interagency communications, also known as interoperability, at any scene or incident islandwide.

HIGHLIGHTS

- Effective January 2011, the FCC BC was elected as the Association of Public-Safety Communications Officials (APCO) and the National Emergency Number Association (NENA) Pacific Chapters President.

The APCO and NENA are two primary organizations in the 911 industry addressing issues and future changes, including technology, 911 call center management, Next Generation 9-1-1 (NG9-1-1) standards, P25 radio compliance, and dispatch-related certifications and accreditation.

- The HFD, the Department of Information Technology (DIT), the HESD's EMS Division, the HPD, and Joint Base Pearl Harbor Hickam comprise the Oahu Public Safety Answering Points (PSAP) Group. The FCC continues to foster working relationships with the PSAP to prioritize the needs for presentation and representation with the State Wireless Enhanced 911 (E911) Board. An enhanced, coordinated effort to secure resources from the State Wireless E911 Board to benefit Oahu PSAPs was the top priority.
- Hawaiian Telcom is upgrading their 911 service to an Internet protocol-enabled 911 system in preparation for the NG9-1-1 service.

Upgrades include replacing PlantCML processing equipment with Solacom equipment. Enhanced servicing of 911 phone calls is the goal, and training on the new system will commence before the cutover.

- The FCC implemented the City's Voice over Internet Protocol (VoIP) phone system installation in June 2011. The VoIP system brings enhanced capabilities while lowering the City's maintenance costs.

- Exacom, a manufacturer of public safety radio and phone recording systems, will upgrade its logging recorder as part of its maintenance agreement with the City. The updated version will enhance file management and NG9-1-1 capabilities, including recording text, video, and still photographs.
- The FCC upgrade project commenced in June 2011. The first phase encompasses reflooring, mold remediation, painting, reconfiguring the captain and DIT work area, and relocating the BC's office.
The second phase will include equipment acquisition through a 2010 UASI grant. Grant funding provided for six new dispatch consoles, computer processing units and monitors, universal protection systems to consistently deliver a high level of emergency customer service.
- The certification process for Public Safety Telecommunicator (TC) I and II for FCC dispatching personnel commenced in 2010.
- The FCC completed catalyst user interface upgrades for eight Radio over Internet Protocol (RoIP) consoles. The new interface enhanced the intuitive and user-friendly features to increase efficiency and effectiveness. The upgrade also allows station paging and channel patching, which augments value to the RoIP backup radio system.
- Prompted by the 2011 APEC Honolulu Forum, the CADS workstation at the HFD Headquarters will include 800 MHz Maestro and Catalyst RoIP backup radio consoles, VoIP phone lines, and an administrative computer.

RADIO SHOP

The Radio Shop executes planning, acquisition, maintenance, and repair services for HFD and city radio communication equipment. It also provides radio program development, preventive maintenance, and repair services for the DEM, the Department of the Medical Examiner, the Department of the Prosecuting Attorney, the Honolulu Liquor Commission, the HESD's Ocean Safety and Lifeguard Services Division, and State Aircraft Rescue Fire Fighting.

In addition to mobile radios, the Radio Shop installs and services electronic warning systems, light bars, sirens, Opticom traffic light controls, and onboard intercom systems on fire apparatuses.

At department worksites, the Radio Shop installs and maintains radio communications equipment, base radios, and public address systems. Troubleshooting support is provided to the DIT to maintain MDTs installed in the Department vehicles.

HIGHLIGHTS

- The Radio Shop continues to transition the Department's portable radio batteries fleet from nickel metal hydride chemistry to lithium polymer.
- The Radio Shop assisted with FCC renovations by relocating three main dispatch consoles, security camera monitors, a security door latch release system, and the Global Positioning System-driven clock. Rewiring the renovated room and returning dispatch equipment to the main floor is scheduled for July 2011.
- Communications training (800 MHz trunking and conventional radio systems) was conducted for newly-promoted captains. The class provided captains an opportunity to review basic radio communication procedures and interoperability capabilities and ask questions regarding the 800 MHz trunking system.
- The Department will purchase mobile radios to upgrade 76 front-line apparatuses from 800 MHz to dual-band 700-800 MHz radios. The new radios will allow continued operation on the 800 MHz band and provide communication with other government agencies on the 700 MHz band.

SUPPORT SERVICES

Under the direction of an AC, Support Services manages and coordinates the operations of the FPB and the TRB.

FPB

The FPB's mission is to promote fire and life safety programs that assist the HFD in accomplishing its mission of mitigating loss of life, property, and damage to the environment.

Hawaii State law and the City Charter assign the following responsibilities to the Fire Chief:

- Conduct fire code compliance inspections.
- Investigate fires to determine origin and cause.

Antenna tower at a remote radio site.



- Provide fire safety education to the community.
- Review and adopt fire codes.
- Review building construction fire plans.

The Fire Chief fulfills these responsibilities through the efforts of the FPB, which is staffed with 35 uniformed and two civilian employees. The FPB is organized into the following sections: Administrative and Technical Support Services; Code Enforcement; Fire Investigations; Fire Safety, Education, Public Information, and Community Relations (more commonly known as Community Relations/Education [CRO]); and Plans Checking.

HIGHLIGHTS

- The State Fire Council (SFC) is mandated by Chapter 132 of the HRS to adopt a state fire code. On January 1, 2010, the 2006 edition of NFPA 1, Uniform Fire Code with state amendments was officially adopted as the Hawaii State Fire Code. This code and the Honolulu amendments are being submitted through the ordinance process to update the fire code of the City. Concurrently, the SFC is finalizing its review of the 2009 edition of NFPA 1 and is writing state amendments to that code.
- The SFC Administrator/FPB BC continued to serve as a member of the State Building Code Council (SBCC) and attended monthly meetings. He also continued to co-chair a SBCC investigative committee to study infrastructure, systems, costs, and benefits related to fire sprinkler requirements of the 2009 International Residential Code for one- and two-family dwellings.
- The SFC Administrator participated as a voting member in the State Illegal Fireworks Task Force, which produced a report to the State Legislature in January 2011.
- Under the vigilance of the SFC, the following legislative bills passed the 2011 session:
 - House Bill (HB) 605 established a special fund with fees collected from cigarette manufacturers to hire two full-time personnel for the SFC to administer the Reduced Ignition Propensity Cigarette (RIPC) Program.
 - HB 1000 established a single entity to administer emergency 911 services.
 - to install fire sprinklers in new one- and two-family dwellings.
 - Senate Bill (SB) 172 amended the fireworks law by imposing new definitions, licensing, and permitting requirements (Act 127 was signed by Governor Neil Abercrombie).
 - SB 173 banned the sale of novelty lighters.
 - SB 742 allowed the SFC to hire two full-time personnel to perform its duties and responsibilities.
 - SB 782 prohibited any person from possessing, constructing, setting off, igniting, discharging, or otherwise causing to explode any homemade explosive device.
 - SB 1025 expanded offenses of assault against a law enforcement officer to include fire fighters and water safety officers.
- The SFC introduced or supported the following legislative bills; however, they did not pass the 2011 session:
 - HB 171 proposed to ban the use, sale, and possession of aerial luminaries, which are commonly known as sky lanterns, Hawaii lanterns, and flying luminaries.
 - HB 262 proposed to delete the sunset provision for the liability exception for county lifeguards and damages caused by dangerous natural conditions when certain warning signs are posted.
 - HB 268 proposed to allow criminal history record checks on prospective county fire department employees who may have contact with children or dependent adults.
 - HB 969 proposed a statewide ban of consumer fireworks.
 - SB 169 proposed the use of trained canines to inspect cargo for explosives.
 - SB 170 proposed to authorize the Department of Defense and DOT to inspect cargo for illegal fireworks.
- The SFC coordinated the following National Fire Academy (NFA) training courses for the HFD:
 - Leadership II: Strategies for Personal Success
 - Leadership III: Strategies for Supervisory Success
- The SFC continues to administer the RIPC Program and collected \$34,125 in fees from cigarette manufacturers. Since the program's inception on September 30, 2009, approximately \$400,000 was collected. The purpose of the program is to reduce the number of cigarette-related fires in the State.
- The SFC continued to meet quarterly to fulfill its statutory duties and responsibilities.
- Bill 34 passed as Act 10-25, which bans the importation, storage, wholesale, and retail of all consumer fireworks with the exception of firecrackers. There were significant challenges to the implementation of Act 10-25, including Bill 38 to amend storage provisions and a lawsuit against the City filed in federal court regarding implementation of the ordinance provisions.
- The FPB updated and created additional content for the HFD website, which included information to increase fire safety awareness for the general public. The updated material was published by the DIT in early 2011. The FPB continued to work with the DIT to ensure the website is a current and effective means of delivering messages to the public.

- FPB personnel met with Board of Water Supply representatives to discuss and plan a system to capture data and information regarding private fire hydrants throughout the City.
- The FPB received the *Draft Summary of the Status of Audit Recommendations* from the Office of the City Auditor. The draft summary provided the status of recommendations for the *Audit of the HFD's Fire Code Inspection Program for High-Rise Residential Buildings* (Report 10-01, issued April 2010). According to the draft summary, all seven recommendations were completed.
- FPB, Department of Planning and Permitting's (DPP) Building Division, Honolulu Liquor Commission, and HPD personnel worked with two drinking establishments to resolve ongoing fire code violations.
- FPB personnel worked with the HOSES 2010 consultant to develop a data model for high-rise buildings on Oahu. The data model will provide the capability to identify individual structures on the HOSES map.
A high-rise building prototype was deployed for testing by FPB personnel, who met with Fire Operations, DIT, and DPP personnel and the HOSES 2010 consultant to discuss implications of the data model for fire inspection, preincident planning, dispatching, and other processes.
- The FPB worked with a DIT software programmer to review proposed changes and updates to the Fire Inspection Database. Once implemented, the changes will reflect the updated city fire code. The updates will also capture information that is recorded on Fire Inspection Reports, which are used by field personnel and inspectors during commercial inspections.
- Fourteen FPB personnel obtained International Fire Service Accreditation Congress (IFSAC) Fire Inspector (FI) I certification.

STATISTICS

Code Enforcement

Inspection by Risk Category	FY 09	FY 10	FY 11
Maximum	2,316	2,103	2,612
High.....	64	73	84
Moderate or Special	647	582	571
Low.....	124	142	65
Total.....	3,151	2,900	3,332

Occupancy Inspections	FY 09	FY 10	FY 11
Assembly	188	190	282
Business	1,906	1,182	1,379
Educational Facilities.....	192	148	170
*Factory.....	41	18	NA
*Hazardous Facilities	215	122	NA
Industrial	NA	NA	104
Institutions.....	16	107	22
Residential	937	511	593
Retail and Wholesale	94	458	637
Warehouse and Storage.....	173	162	72
Total.....	3,762	2,898	3,259

**To conform to newer fire code classifications, these inspections are now listed under Industrial inspections.*

Permit Inspections	FY 09	FY 10	FY 11
Assemblies	32	29	31
Fireworks	223	242	233
Flammable Finishes	63	65	52
Total.....	318	336	316

Other Activities	FY 09	FY 10	FY 11
Final Notices	132	146	156
Night Inspections	77	78	76
Notices of Violation.....	660	840	1,088
Referrals	295	308	322
Reinspections	3,688	3,781	3,985
Total.....	4,852	5,153	5,627

Plans Checking

Activities	FY 09	FY 10	FY 11
Correspondence	128.....	88.....	88
Fire Alarm System Tests	462.....	370.....	314
Flammable/Combustible Permits	20.....	58.....	38
Liquefied Petroleum Gas Permits.....	40.....	50.....	25
Ohana Inspections	36.....	36.....	28
On-Site Inspections	108.....	155.....	96
Plans	1,861.....	1,607.....	1,686
Range Hood System Tests.....	75.....	74.....	73
Temporary Structure Permits	14.....	29.....	6
Total.....	2,744.....	2,467.....	2,354

Fire Investigations

Activities	FY 09	FY 10	FY 11
Automobile	11.....	12.....	7
Correspondence.....	7.....	7.....	7
Other	7.....	6.....	3
Structure	106.....	94.....	100
Watercraft	2.....	4.....	4
Wildland	2.....	10.....	6
Total.....	135.....	133.....	127

Fire investigations examined seven fires involving 11 deaths. Five deaths resulted from accidental explosion/fires; four deaths were caused by arson; one death was accidental; and the cause of a fire that caused one death could not be determined.

Administrative and Technical Support Services

Activities	FY 09	FY 10	FY 11
Fireworks Licenses.....	183.....	182.....	82
License Fees	\$145,000.....	\$139,000.....	\$75,000

Fireworks Permits	FY 09	FY 10	FY 11
Public Displays	87.....	72.....	64
Satellite City Halls.....	7,043.....	8,174.....	10,812
Special	213.....	242.....	326
Total.....	7,343.....	8,488.....	11,202

DOH	FY 09	FY 10	FY 11
Fireworks Injuries	99.....	106.....	95

HPD	FY 09	FY 10	FY 11
Fireworks-Related Calls	1,757.....	2,189.....	1,795

Inspections	FY 09	FY 10	FY 11
Preschools/Day Care.....	98.....	70.....	91

Other Activities	FY 09	FY 10	FY 11
Correspondence.....	601.....	650.....	814
Final Notices	74.....	65.....	51
Referrals	357.....	299.....	321
Total.....	1,032.....	1,014.....	1,186

SFC

Workdays (8 Hours Per Day)	FY 09	FY 10	FY 11
BC	60.....	65.....	70.....
Captain.....	25.....	20.....	0.....
Legislative Liaison	145.....	0.....	0.....
SFC Administrative Assistant	185.....	155.....	130.....
Total.....	415.....	240.....	200.....
In-Kind Contributions to the SFC	\$35,000.....	\$34,500.....	\$35,000.....

Company Inspection Program

Inspections	FY 09	FY 10	FY 11
Assembly	176.....	100.....	102.....
Business	2,067.....	2,296.....	2,789.....
Education	96.....	127.....	175.....
Factory.....	59.....	47.....	0.....
Mercantile	312.....	320.....	257.....
Residential	58,936.....	56,549.....	57,727.....
Storage	110.....	50.....	35.....
Utility	2.....	2.....	3.....
Total.....	61,758.....	59,491.....	61,088.....

CRO

The CRO is the liaison between the community and the HFD. Its primary responsibilities include promoting fire safety awareness and education, and coordinating ceremonies, funerals, and other HFD events. The CRO provides fire safety education to the public via educational presentations, the production and coordination of the Fire Fighter's Safety Guide (FFSG), the HFD FPW Poster Contest, and the Smoke Alarms for Everyone program.

In addition, this section coordinates fire prevention education and public awareness presentations by utilizing fire apparatuses and suppression personnel.

HIGHLIGHTS

- Coordinated HFD Honor Guard services for the 96th FFR Class graduation and the Mayor's Fifth Annual Remembrance Walk
- Coordinated and distributed the 25th edition of the FFSG to 135,000 students attending private and public schools statewide during FPW on October 4-8, 2010. The FFSG is a children's workbook with important fire safety messages. Each year, the HFD endeavors to provide relevant and vital fire safety messages to children through this workbook.
- Received a new Keiki House Fire Safety Trailer in May 2011 through a Fireman's Fund Insurance Company grant. The trailer will receive exterior artwork and should be placed into service by October 2011.
- Participated in a statewide lei collection for the 2011 Mayor's Annual Memorial Day Service at the National Memorial Cemetery of the Pacific. Over 50,000 lei were collected and taken to fire stations, schools, and various city facilities.
- In June 2011, the HFD partnered with the International Brotherhood of Electrical Workers (IBEW) to install 190 smoke alarms in 41 homes. IBEW members provided free labor, and HFD personnel provided fire safety education. Approximately 2,500 smoke alarms were purchased with AFG funding.
- Coordinated promotion, apparatus dedication, and FFR graduation ceremonies
- Coordinated funeral services for 14 retired HFD personnel. These services support our FF's families and honor their loved ones with a dignified display of respect and camaraderie.
- Issued 61 cuddle bears to various suppression companies. The cuddle bears allow FFs to console and comfort young children at the scene of a traumatic event.
- Coordinated 81 community projects for various agencies, including the Aloha United Way, the American Cancer Society, the American Red Cross, the Blood Bank of Hawaii, the Hawaii Foodbank, the King Kamehameha Celebration Commission, and Parents and Children Together.
- Coordinated 176 fire truck visits to various schools. These visits are interactive fire safety education sessions with close interaction with FFs and a fire truck. These presentations leave a memorable and positive impact on the children and reinforce important life-saving concepts about fire safety.
- Purchased two desktop and six notebook Macintosh computers with AFG funding.

EDUCATIONAL PRESENTATIONS

Activity	Number	Attendees
Career Presentations/Fairs	23.....	5,070
Fire Evacuations		
Drills.....	19.....	6,280
Plans.....	14.....	354
Fire Extinguisher Training	41.....	1,643
Fire Safety Presentations.....	40.....	2,237
Health and Safety Fairs	11.....	7,800

PIO

The PIO provides information to the media about emergency events and HFD activities. At large-scale emergencies, the PIO serves on the incident management team and gathers and distributes information to the media and key stakeholders. The PIO also researches and answers questions about the HFD from the public and other government agencies. He prepares news releases on emergencies and advisories on HFD events and participates in numerous media interviews.

TRB

The TRB is located at the Charles H. Thurston Training Center and tasked with assisting, planning, coordinating, and evaluating the HFD's training activities. To fulfill the Department's mission statement, quality, dynamic, and essential training is provided for personnel through various training programs. These programs help to ensure that responses to incidents, emergencies, and public assistance are performed in a safe, efficient, friendly, and professional manner.

New and continuing research and testing are conducted on the latest technology and techniques in the areas of apparatus operations, driver training, emergency medical response, fire fighting, HM, rescue operations, terrorism, water safety, etc. The TRB also coordinates CPR instruction for the public.

The TRB staff is committed to developing highly-trained, professional, and motivated personnel who provide quality service to Oahu residents. During FY 11, the TRB coordinated the following training for over 5,000 students:

- AHIMT
- Apparatus Operation - Defensive Driving and Remedial
- APEC-Related
 - Mass Decontamination - Emergency Decontamination/Privacy Corridor; Special Operations Trailer; and ZUMRO Shelter (Modesty Corridor)
 - Incident Response to Terrorist Bombings
 - USAR - Rescue Rope and Related Equipment; Heavy Objects; Ladder Rescue; and Emergency Shoring
 - CBRNE Trailer Training
- Automated External Defibrillator (AED)/CPR Biennial Recertification
- Basic Fire Fighting Skills Evaluation (BFSE)
- Basic Life Support - Instructors and Health Care Providers Recertification
- Bauer Breathing Air Compressor
- Biennial Emergency Medical Refresher
- Certification Courses
 - FF I and FF II
 - HM Awareness and HM Operations
- Certification Testing
 - Basic Driving Skills - Apparatus Operator (AO) and Pumper Operator (PO)
 - Fire Officer (FO) I and FO II
 - Fire Service Instructor (FSI) I
 - FI I and FI II
- CAFS Awareness
- Computer-Aided Management of Emergency Operations
- Critical Incident Stress Management
- Emergency Medical Technician-Basic
- Fire Extinguisher
- Hazardous Gas and Vapor Identifier Technical
- HM Incident Management
- HM Technician Course - Chemistry and Tactics

- HM Technician Refresher
- Kidde Mobile Fire Fighting Trainer - Live Burn Training
- NFA Leadership II: Strategies for Personal Success
- NFA Leadership III: Strategies for Supervisory Success
- NFA ICS 300
- Pierce Truck Familiarization
- Prehospital Trauma Life Support Instructor Recertification
- Preretirement Planning Seminar
- Pumping Apparatus Driver/Operator (PADO) Bridge Training Course
- SCBA Competency
- SCD-sponsored ICS 300 - WMD Incident Management/Unified Command
- SCD-sponsored ICS 400 - Advanced Incident Management/Unified Command
- Third-Party Evaluator for FFs

ADMINISTRATIVE

This section maintains the training center and schedules and/or coordinates its daily operations. The TRB maintains an active schedule by facilitating its instructional programs with organizations such as the American Heart Association, the IFSAC, the NFA, the National Registry of Emergency Medical Technicians, and the National Safety Council (NSC).

Additionally, this section oversees personnel training data input into the RMS when training is conducted at the facility. The RMS provides fire personnel the ability to input and extract incident reporting, training documentation, and occupancy information data.

APPARATUS OPERATION

This section maintains an HFD compliance program that meets or exceeds federal and DOT Commercial Drivers License requirements. The following programs are administered to address national standards, licensing, or departmental requirements:

- Apparatus Operation Training (AOT)
- City Operator's Certification Training
- Driver Improvement Training
- Forklift and All-Terrain Vehicle Operator Course
- NSC's Coaching the Experienced Driver 4+2 Course
- Vehicle Accident Review for Remedial Training Application and Recordation

Fire Operations personnel are relied upon to provide decentralized application of the Driver Improvement Program by conducting training and recertification through the Department's Field Driver Trainers, Company Commanders, and FF IIIs with BC oversight.

CAREER DEVELOPMENT

This section promotes professional development of HFD personnel through policies and training programs to meet nationally recognized standards. The HFD maintains accredited status from the IFSAC to certify personnel to NFPA standards under the direction of the Certification Program Manager. The certified programs are as follows:

- HM Awareness and HM Operations, 2008 editions
- FF I and FF II, 2008 editions
- PO, 2009 Edition
- AO, 2009 Edition
- Tiller Operator, 2009 Edition
- FO I and FO II, 2009 editions
- FSI I and FSI II, 2007 editions
- Surf Rescue I, 2008 Edition (first accredited program of this type in the nation)
- FI I and FI II, 2009 editions
- TC I and TC II, 2007 editions

FIRE AND SPECIAL OPERATIONS

These sections develop and coordinate instruction and training for personnel in areas such as basic fire fighting skills, live burns, water safety, automobile extrication, FFR training, exercises and drills, HM Incident Management, HM Technician, HM Operations, and WMD awareness.

In addition, these sections maintain a close relationship with other governmental and private agencies involving HM response concerns.

MEDICAL

This section conducts initial and recurring medical training for HFD personnel, reviews medical emergency responses and documentation, coordinates CPR classes for the community, and manages public health awareness programs. A Medical Director oversees this section's programs. Quality control is measured through continuous audit, review, query, and reports on operations recorded in the RMS and cardiac arrest rescue link data specific to emergency medical responses.

This section also manages the HFD's AED Program. Since the program's inception, over 226 persons have been saved using an AED and/or CPR.

HIGHLIGHTS

- Implemented live burn training in January 2010 using the burn trainer unit. This monthly training continued in 2011. Each event incorporates eight to ten basic fire fighting skills based on NFPA standards with five to eight participating companies.
- Initiated the BFSE program in January 2010. This program evaluates basic fire fighting skills with the TRB, field BCs, and fire suppression personnel serving as evaluators. Six to nine companies are evaluated monthly.
- Initiated the Water Safety Program at the company level in March 2010 when the program and equipment were placed into service. Company Commanders delivered monthly training as specified by the quarterly Schedule of Training Activities, and BCs provided oversight.
- Authorized computer-based training to bridge AOT hydraulic pump calculations to International Fire Service Training Association PADO pump calculations was implemented and completed on August 31, 2010. This program remains a computer-based resource.
- The Initial Size-up Decision Making Program is in the developmental stages and involves command and control training for first-in Company Commanders at structural fire calls.